Installing Prime Network Services Controller in Hyper-V Hypervisor Environments

This section contains the following topics:

Hyper-V Hypervisor Installation Overview

You install Prime Network Services Controller on Hyper-V Hypervisor by using an ISO image. The installation time varies from 10 to 20 minutes depending on the host and the storage area network load.

To install Prime Network Services Controller on Hyper-V Hypervisor, complete the tasks described in the following topics:

1. Configuring Hyper-V Hypervisor for Prime Network Services Controller, on page 1
2. Installing Prime Network Services Controller on Hyper-V Hypervisor, on page 3
3. Performing Hyper-V Hypervisor Post-Installation Tasks

Configuring Hyper-V Hypervisor for Prime Network Services Controller

Before you can install Prime Network Services Controller on Hyper-V Hypervisor, you must create a VM. This procedure describes how to create a VM for Prime Network Services Controller.

Before You Begin

- Confirm that you have met the requirements described in Requirements Overview.
- Gather the information required for preinstallation configuration as described in Information Required for Configuration and Installation.

- Verify that the Hyper-V Hypervisor host on which you are going to deploy the Prime Network Services Controller VM is available in the System Center Virtual Machine Manager (SCVMM).
- Copy the Prime Network Services Controller ISO image to the SCVMM library location on the file system. To make this image available in SCVMM, choose **Library > Library Servers**, right-click the library location, and then click **Refresh**.

Procedure

Step 1 Launch the SCVMM.

Step 2 Right-click the Hyper-V Hypervisor host on which to deploy the Prime Network Services Controller VM, and choose **Create Virtual Machine**.

Step 3 In the Create Virtual Machine wizard, provide the information as described in the following table:

Screen	Action
Select Source	Click **Create the new virtual machine with a blank virtual hard disk**.
Specify Virtual Machine Identity	Enter the VM name.
Configure Hardware	**1** In the Hardware Profile field, choose **Default**. **2** From General: **a** Choose **Processor** and set the number of processors to **4**. **b** Choose **Memory** and set the VM memory to **4 GB**. **3** From **Bus Configuration > IDE Devices**: **a** Choose **Hard Disk** and enter **20 GB**. **b** Choose **Virtual DVD Drive**, click **Existing ISO image file**, and choose the Prime Network Services Controller ISO image. **4** Choose **Network Adapters > Network Adapter 1**, click **Connect to a VM Network**, and choose a VM network. **5** Choose **Network Adapters > MAC Address > Static**, and enter a static MAC address from the SCVMM MAC address pool. **Note** Using dynamic MAC address assignment can result in a loss of network connectivity if the VM is migrated.
Select Destination	**1** Click **Place the virtual machine on a host**. **2** From the Destination drop-down list, choose **All hosts**.
Select Host	Choose the destination.
Configure Settings	Review the VM settings.
Select Networks	Confirm that the correct virtual switch is specified.

Screen	Action
Add Properties	Choose **64-bit edition of Windows Server 2012**.
Summary	1 Confirm that the settings are correct. 2 Check the **Start the virtual machine after deploying** check box. 3 Click **Create**.

The Jobs window displays the status of the VM being created. Verify that the job completes successfully.

Step 4 After the VM is successfully created, right-click it and choose **Connect or View > Connect Via Console**.

Step 5 Launch the console to start the Prime Network Services Controller installation procedure.

What to Do Next

Install Prime Network Services Controller as described in Installing Prime Network Services Controller on Hyper-V Hypervisor, on page 3.

Installing Prime Network Services Controller on Hyper-V Hypervisor

This procedure describes how to install the ISO image on a VM that has been configured for Prime Network Services Controller.

Before You Begin

Confirm the following items:

- All system requirements are met.
- You have the information identified in Information Required for Configuration and Installation.
- You have configured the hypervisor for the Prime Network Services Controller installation procedure.
- A VM has been created for Prime Network Services Controller and has network access.
- You can access the VM console.

Procedure

Step 1 Open the VM console if it is not already open.

If you have just finished configuring the hypervisor, the Prime Network Services Controller installer displays within a few minutes.

Step 2 In the Network Configuration screen, click **Edit** in the Network Devices area, enter the IP address and netmask for the Prime Network Services Controller VM, and click **OK**.

Step 3 In the Network Configuration area, enter the hostname, domain name, and IP addresses for the gateway, DNS server, and NTP server.

Step 4 In the Modes screen, choose the required modes, and click **Next**:

- Prime Network Services Controller Operation Mode: Choose **Standalone**. This release of Prime Network Services Controller is available in Standalone mode only.
- Prime Network Services Controller Configuration:
  - Prime Network Services Controller Installation—Choose if this is the initial Prime Network Services Controller installation on the VM.
  - Restore Prime Network Services Controller—Choose to restore a previous Prime Network Services Controller installation.

Step 5 In the Administrative Access screen, enter the administrator and shared secret passwords with confirming entries.
For information on creating a strong password, see Shared Secret Password Criteria.

Note If you configure a weak shared secret password, no error message is generated during entry here, but the shared secret password is not usable when the VM is started during the installation process.

Step 6 In the Summary screen, confirm that the information is accurate, and then click **Finish**.
Prime Network Services Controller installs on the VM. This takes a few minutes.

Step 7 When prompted, disconnect from the media source and then click **Reboot**.
Prime Network Services Controller is then installed on the VM.

Step 8 To confirm that Prime Network Services Controller is accessible, connect to Prime Network Services Controller through the console for the CLI or a browser for the GUI.